SYSTEMS AND METHODS FOR SCREENING FOR MODULATORS
OF NEURAL DIFFERENTIATION

ABSTRACT OF THE DISCLOSURE

[00236]   The present invention provides *in vitro* systems for use in identifying

5   modulators of neural differentiation. Also provided are modulators identified by these

systems. The present invention further provides methods for identifying a modulator of

neural differentiation, a modulator of a Wnt signalling pathway, a modulator of Wnt-

dependent neural differentiation, a modulator of a BMP signalling pathway, a modulator of

BMP-dependent neural differentiation, a modulator of a Hh signalling pathway, and a

10   modulator of Hh-dependent neural differentiation. Also provided are modulators identified

by these methods.

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